

## ABSTRACT OF THE DISCLOSURE

A multi-mode mobile communication transceiver includes a transmission circuit that outputs at least transmission  
5 signals in the AMPS mode, and a reception circuit that receives at least reception signals in the AMPS mode. A booster includes a first terminal through which signals are connected to an antenna, a power amplifier circuit connected to the first terminal, and a reception-signal sending circuit  
10 connected to the first terminal. When the booster is connected with the multi-mode mobile communication transceiver, the transmission circuit is connected in series with the power amplifier circuit, and the reception-signal sending circuit is connected in series with the reception  
15 circuit.